

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9789 CE: No

RATED OUTPUT	KVA	100	RATING CLASSIFICATION	PRP	
	KW	80			
	PHASE	3			
	VOLTS	415/240		PERFORMANCE CLASS	G1
	AMPS	139			
	HZ	50			
RPM	1500				
GOVERNOR TYPE			Electronic	COOLING METHOD	WATERCOOLED

ENGINE MAKE	Perkins	BUILD NUMBER	R551437
ENGINE MODEL	1104C-44TAG2	SERIAL NUMBER	US13279U
ALTERNATOR MAKE	Mecc Alte	SERIAL NUMBER	A1091188
ALTERNATOR MODEL	ECP34-2S/4	SERIAL NUMBER(S)	
CONTROL PANEL(S)	Manual start	SERIAL NUMBER(S)	
SWITCHGEAR		SERIAL NUMBER(S)	

LOAD TEST RESULTS (AT UNITY POWER FACTOR)

LOAD TYPE	LOAD %	HZ	VOLTS	AMPS	KW	ENGINE TEMP	OIL TEMP	OIL PRESS
						DEG C	DEG C	BAR
load acceptance	75%	500	415	84	60	-	-	6.2
standby/ prime+10%	110%	500	415	123	88	84	-	4.4

GENERATING SET ENCLOSURE MECHANICAL PROTECTION

IP

AVERAGE SOUND PRESSURE LEVEL (DBA AT 1 M)

(UNITS WITH ACOUSTIC CANOPIES ONLY & MEASURED UNDER TEST BAY CONDITIONS AT 75% LOAD IN ACCORDANCE WITH ISO8528-10)

AMBIENT TEST CONDITIONS		FUEL/OIL USED	
ALTITUDE (M)	Sea Level	FUEL SPEC	BS2869A2
BAROMETRIC PRESSURE (kpa)	101.2	DENSITY	0.84 kg/l
TEMPERATURE (Deg c)	16	CALORIFIC VALUE	42.5 MJ/kg
HUMIDITY (%)	72	LUB OIL SPEC	Multigrade

WIRING DIAGRAMS:

ENGINE	06-133000	CONTROL PANEL(S)	10-170800
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TESTED BY

H. Wal

DATE 30/09/2010